

**From:** [McGuire, Pat](#)  
**To:** [Berkoff, Michael](#)  
**Cc:** [Garry Griffith \(gtgriffi@GAPAC.com\)](#); [J. Michael Davis \(jmdavis@gapac.com\)](#); [Saric, James](#); [Jeff Keiser \(jkeiser@CH2M.com\)](#); [Judith \(Gapp\) Alfano \(alfanoj@michigan.gov\)](#); [Kathy Huibregtse \(khuibregtse@environcorp.com\)](#); [Kristi Zakrzewski \(ZakrzewskiK@michigan.gov\)](#); [Carlson, Janet](#); [Lisa L., PhD Williams \(Lisa\\_Williams@fws.gov\)](#); [Martin Lebo \(martin.lebo@weyerhaeuser.com\)](#); [Wood, Nicole](#); [Paul A., P.E. Montney \(pamontne@gapac.com\)](#); [Paul T. Bucholtz \(bucholtp@michigan.gov\)](#); [Polly Synk \(SynkP@michigan.gov\)](#); [Richard Gay \(richard.gay@weyerhaeuser.com\)](#); [Scott Hutsell](#); [Todd.Goeks@noaa.gov](#); [Melda, Zachary A.](#); [Jessica Winter](#); [Sharon Hanshue](#)  
**Subject:** Willow Boulevard/A-Site Landfill OU2 Progress Report  
**Date:** Thursday, July 11, 2013 10:12:17 AM  
**Attachments:** [July 2013 WB A-Site OU Progress Report FINAL USEPA 07 11 13.pdf.pdf](#)

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Michael

Attached for your records is the Willow Blvd/A-Site OU2 Quarter 2, 2013 Progress Report, which covers the period between April 1 and June 30, 2013. If you have any questions regarding this report please do not hesitate to contact me.

Thanks,

Pat

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Mr. Michael Berkoff  
Remedial Project Manager  
USEPA Region 5  
77 West Jackson Boulevard (SRF-6J)  
Chicago, Illinois 60604-3507

ARCADIS  
6723 Towpath Road  
P.O. Box 66  
Syracuse  
New York 13214-0066  
Tel 315.446.9120  
Fax 315.449.0017  
www.arcadis-us.com

Subject:

Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site  
Willow Boulevard/A-Site Landfill Operable Unit 2 Remedial Design  
Progress Report #29 (April 1 to June 30, 2013)

ENVIRONMENT

Date:

July 11, 2013

Dear Michael:

Contact:

Pat McGuire

Attached is the 29<sup>th</sup> progress report for the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site Willow Boulevard/A-Site Landfill Operable Unit 2 (WB/A-Site OU) Remedial Design/Remedial Action. This progress report is submitted in accordance with Paragraph 31, Reporting Requirements, of the 2009 Consent Decree (CD) for the Design and Implementation of Certain Response Actions at Operable Unit 2 of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Civil Action Number 1-09-cv-429).

Phone:

315.671.9233

Email:

pat.mcguire@arcadis-us.com

As agreed with the United States Environmental Protection Agency (USEPA), ARCADIS submitted progress reports quarterly throughout the remedial design phase, and then monthly during construction activities from May 2011 through December 2012. As approved by USEPA during the December 19, 2012 Stakeholders' Meeting, ARCADIS started submitting quarterly progress reports January 2013, since only limited construction activities are anticipated at the WB/A-Site OU. This 29<sup>th</sup> progress report describes activities/tasks performed between April 1 and June 30, 2013.

Our ref:

B0064581.0004.00014/  
B0064582.0004.00014

If you have any questions, please do not hesitate to contact me.

Sincerely,

ARCADIS

Pat McGuire  
Project Coordinator

Copies:

James Saric, USEPA  
Nicole Wood, Esq., USEPA  
Jan Carlson, Esq., USEPA  
Anthony Audia, USEPA  
Paul Bucholtz, MDEQ  
Kristi Zakrzewski, P.E., MDEQ  
Judith Alfano, MDEQ  
Sharon Hanshue, MDNR  
Lisa Williams, Ph.D., USFWS  
Todd Goeks, NOAA  
Jessica Winters, NOAA  
Julie Sims, NOAA  
Polly Synk, Esq., Dept. of Attorney General  
Jeff Keiser, P.E., CH2M HILL  
Scott Hutsell, P.E., CH2M HILL  
Garry Griffith, P.E., Georgia-Pacific LLC  
Zachary Melda, Georgia-Pacific LLC  
Richard Gay, Weyerhaeuser Company  
Martin Lebo, Ph.D., Weyerhaeuser Company  
Kathryn Huibregtse, P.E., ENVIRON International Corp.

**PROGRESS REPORT FOR THE ALLIED PAPER, INC./PORTAGE CREEK/  
KALAMAZOO RIVER SUPERFUND SITE  
WILLOW BOULEVARD / A-SITE LANDFILL OPERABLE UNIT 2 (WB/A-SITE OU)**

**REPORT #29 (APRIL 1 TO JUNE 30, 2013)**

**PREPARED BY ARCADIS  
JULY 11, 2013**

**ON BEHALF OF GEORGIA-PACIFIC LLC**

**SUBMITTED TO**

**MICHAEL BERKOFF, REMEDIAL PROJECT MANAGER  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Progress Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site  
Willow Boulevard/A-Site Landfill Operable Unit 2**

**Report #29 (April 1 to June 30, 2013)**

**Significant Developments and Activities During the Period**

- On April 10, ARCADIS transmitted to the United States Environmental Protection Agency (USEPA) the Willow Boulevard/A-Site Landfill Operable Unit 2 (WB/A-Site OU) Progress Report No. 28.
- On April 18, ARCADIS transmitted to USEPA the revised draft Groundwater Monitoring Plan for the WB/A-Site OU.
- On April 19, ARCADIS corresponded by email with USEPA, the Michigan Department of Environmental Quality (MDEQ), the United States Fish and Wildlife Service (USFWS), and the Michigan Department of Natural Resources (MDNR) to schedule a progress call for the WB/A-Site OU.
- On April 19, Georgia-Pacific corresponded with USEPA by phone to discuss comments on the Interim Completion Report, potential installation of additional gas monitoring probes, permanent marker specifications for the site, review of the Groundwater Monitoring Plan, and delisting of the Area East of Davis Creek.
- On April 29, ARCADIS transmitted to MDEQ a version of the WB/A-Site OU Groundwater Monitoring Plan indicating changes from the previous version.
- On April 30, ARCADIS transmitted to USEPA the WB/A-Site OU Design Notification No. 2013-031 (DN 2013-031), summarizing the proposed installation of additional permanent gas monitoring probes at the Willow Boulevard and A-Site Landfills to supplement those included as part of the original remedial design.
- On May 1, Georgia-Pacific LLC (Georgia-Pacific) corresponded by email with USEPA regarding the permanent marker specifications for the WB/A-Site OU.
- On May 7, ARCADIS forwarded to Georgia-Pacific, USEPA, MDEQ, and CH2M HILL the agenda for the progress call scheduled for May 9.
- On May 8, USEPA corresponded by email with Georgia-Pacific regarding the permanent markers for the WB/A-Site OU.
- On May 9, representatives of Georgia-Pacific, ARCADIS, USEPA, and MDEQ participated in a progress call to discuss the construction activities at the WB/A-Site OU. During the call, verbal approval of DN 2013-031 (installation of additional gas monitoring probes) was provided by USEPA and MDEQ.
- On May 15, ARCADIS notified USEPA and CH2M HILL that the gas probes are scheduled to be installed on May 23 and 24.

**Progress Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site  
Willow Boulevard/A-Site Landfill Operable Unit 2**

**Report #29 (April 1 to June 30, 2013)**

- On May 21, USEPA provided to ARCADIS comments on the WB/A-Site OU Interim Construction Completion Report.

**Data Collected and Field Activities Conducted During the Period**

- Throughout the second quarter of 2013, Terra has made regular site inspections (in particular after significant rain events) to ensure that the erosion and sediment controls are functioning as intended. Additionally, efforts have been made to further establish the grass cover on the Willow Boulevard and A-Site Landfills.
- On May 13, Cardno JFNew planted trees and placed live stakes at the A-Site Landfill. A summary of the plantings is provided in Table 1. On the same day, Cardno JFNew recorded mortality of trees planted at the Willow Boulevard Landfill and Area East of Davis Creek.
- On May 24, West Michigan Drilling installed permanent gas monitoring probes at the A-Site and Willow Boulevard Landfills. Three gas monitoring probes (GW-1 through 3) were installed at the A-Site Landfill and four gas monitoring probes (GW-4 through GW-7) were installed at the Willow Boulevard Landfill.

**Laboratory Data Received During the Period**

- No data were received between April 1 and June 30, 2013.

**Issues Encountered and Actions Taken**

- None

**Developments Anticipated During the Next Reporting Period**

- In July 2013, written approvals from USEPA for Design Notification Nos. 2012-028 (modifications to the fence components) and 2012-031 (installation of additional gas monitoring probes) are anticipated.
- In the third quarter of 2013, the WB/A-Site OU groundwater monitoring plan is anticipated to be completed. Once negotiations are complete, the groundwater monitoring well system will be installed. Installation of the fence at the A-Site Landfill will be completed following installation of the monitoring wells.
- In the third quarter of 2013, installation of permanent markers at the WB/A-Site OU is anticipated to be completed.

**Progress Report for the Allied Paper, Inc./Portage Creek/  
Kalamazoo River Superfund Site  
Willow Boulevard/A-Site Landfill Operable Unit 2**

**Report #29 (April 1 to June 30, 2013)**

- In the third quarter of 2013, progress meetings (including Stakeholder Meetings and additional discussions on the groundwater monitoring plan) and conference calls will be scheduled on an as needed basis as agreed in the December 2012 Stakeholder Meeting.

**Georgia-Pacific LLC**  
**Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site**  
**Willow Boulevard/A-Site Landfill Operable Unit 2**  
**Progress Report #29**

**Table A — Summary of Plantings Installed at the A-Site Landfill in May 2013**

| Common Name        | Scientific Name         | Quantity | Habitat Type              |
|--------------------|-------------------------|----------|---------------------------|
| <b>Trees</b>       |                         |          |                           |
| Black Cherry       | <i>Prunus serotina</i>  | 10       | Visual Screen             |
| Basswood           | <i>Tilia americana</i>  | 2        | Visual Screen             |
| Black Cherry       | <i>Prunus serotina</i>  | 4        | Upland                    |
| Red Maple          | <i>Acer rubrum</i>      | 1        | Wetland                   |
| Silver Maple       | <i>Acer saccharinum</i> | 12       | Wetland                   |
| American Elm       | <i>Ulmus americana</i>  | 3        | Wetland                   |
| Silky Dogwood      | <i>Cornus amomum</i>    | 8        | Riparian Corridor         |
| Gray Dogwood       | <i>Cornus racemosa</i>  | 4        | Riparian Corridor         |
| <b>Live Stakes</b> |                         |          |                           |
| Red Osier Dogwood  | <i>Cornus sericea</i>   | 110      | Wetland/Riparian Corridor |
| Sandbar Willow     | <i>Salix exigua</i>     | 110      | Wetland/Riparian Corridor |
| Pussy Willow       | <i>Salix discolor</i>   | 110      | Wetland/Riparian Corridor |

**Note:**

Planting activities were conducted on May 13, 2013, in accordance with the Final Design Report and Construction Drawings.